

# Product Data Sheet

## K Mono

K Mono is a cement based, polymer modified, through-coloured, one-coat/one pass render, specifically designed with spray application in mind. When applied as per manufacturer's instructions, K Mono provides an attractive, durable and low-maintenance finish with enhanced handling properties for the applicator. K Mono is Kitemarked and CE Marked to BS EN 998-1:2016 under an ISO 9001:2015-certified quality management system.

### FEATURES & BENEFITS

K Mono is designed for use with render spray machines. It acts as a one coat / one pass finish over most moderate to low strength block work, providing a labour-saving and cost-effective solution due to reduced application times.

K Mono has been designed to provide an extended scraping window, providing greater flexibility on-site. The through-coloured render is enhanced with a popular textured finish. This product is also suitable for hand application and can be used on a variety of substrates. Coverage may be reduced if hand applied.

K Mono can be applied to a depth of 25mm in one pass depending on background conditions and final finish required. It is important that a consistent minimum finished thickness is obtained over the whole surface and that the maximum recommended thicknesses are not exceeded.

#### One Coat Coverage:

1.6 kg/mm thick per m<sup>2</sup>

#### One Coat Requires:

Approximately 1 bag per m<sup>2</sup>.

Nominal 16mm finished thickness

### COLOUR

- Samples from our standard colour range are provided on request. These are for colour indication only.
- A site sample panel is recommended, to ensure the specifier is satisfied with render colour and texture.
- As K Rend products are manufactured from natural materials, slight shade variations may occur.

### KITEMARK CLASSIFICATIONS

Compressive Strength: CS II

Capillary Water Absorption Category: W2

Water Vapour Permeability:  $\mu \leq 15$

Thermal Conductivity: P=50% - 0.44 W/m·K

### APPLICATION

- K Mono is designed for use with render spray machines
- Add material to the feeding hopper and adjust water supply to achieve the desired consistency. Open time – approx. one hour
- For hand application, add 5 – 5.5 litres of clean water per 25kg sack
- Do not polish
- Small areas such as quoins and window reveals may be finished smooth
- Use polythene sheeting to protect doors, windows and other features from any over spraying during application

### ONE PASS APPLICATION

- Substrates should be clean, sound and free from material that may reduce adhesion.
- Using a 12mm or 14mm diameter mortar nozzle, spray K Mono directly on to the prepared wall surface to the required thickness of 17 – 18 mm.
- Level out immediately, using a straight edge, spatula or smoothing trowel.
- Allow to set (3-24 hours depending on the substrate and drying conditions) before scraping the surface to give the final texture.

### FINISHES

#### Textured Finish

- To achieve a textured finish, scraping should take place when the render has semi-set but not hardened. The exact timing of this operation will vary according to the weather conditions.
- The surface is ready when a thumb impression cannot be made and when the aggregate scrapes easily from the matrix without sticking to the scraper.
- Scraping should be done in a tight circular motion, and the surface brushed down with a soft brush upon completion.
- All areas must be scraped at the same stage of readiness, as early scraping will result in darker shades and late scraping in lighter shades.
- A uniform approach is essential to achieve an even finish.
- The minimum finished thickness after scraping should be 15 mm.

### Ashlar Cutting

- Having scraped the surface level, an ashlar effect may be achieved by cutting into the surface with an ashlar cutter to form grooves.
- Leave a minimum 15mm of coloured K Rend between the recessed ashlar cut and the substrate.
- When forming cuts, take care to avoid damaging the arises by working away from the external corner.
- All cuts must be the same width and depth and set out uniformly as required.

### Spray Roughcast

- Spray roughcast Depending on the required finished thickness.
- a first pass is spray applied to a minimum thickness of 10mm and ruled level.
- A second texture pass is applied between 1 and 2 hours after the first to form a single monolithic coat with a minimum thickness of 15mm.

Total finished thickness should be between 15 and 25mm

## IMPORTANT INFORMATION

### Site Conditions

- Do not apply in temperatures below 5 °C or above 30 °C.
- Do not apply if frost is forecast within 24 hours or in damp/wet conditions.
- Ensure substrate temperature is above 3 °C and below 30 °C before application.
- Avoid application to elevations in direct sunlight.

### Packaging and Storage

K Mono is supplied in 25kg paper sacks, palletised and shrink wrapped. Store unopened, off the ground in a dry location at temperatures greater than 5 °C. When stored in these conditions, the shelf life of K Mono is 12 months from date of manufacture.

### Quality Control

All K Rend products are factory blended, tested and packaged to quality control procedures in accordance with BS EN ISO 9001.

### Health and Safety

This product contains cement. Full health and safety advice can be found on the K Mono Safety Data Sheet. It is advised that users wear safety goggles, face mask, gloves and coveralls when using cementitious products.

Portland cement contains Chromium (VI) which may produce and allergic reaction. Harmful by inhalation. Irritating to eyes and skin. In case of contact with eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep out of reach of children. Clothing contaminated by wet cement should be removed immediately and washed before reuse.

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The information provided in this datasheet is based on current knowledge and laboratory testing. In line with our policy of continuous product development, we reserve the right to change technical data without notice and the end user should ensure the latest document version is used. Kilwaughter Minerals Ltd accepts no responsibility or liability for the suitability of a product or its use, due to having no control over its application or conditions during application. Existing intellectual property rights are to be observed.



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